1-46. (Cancelled)

47. (Previously Amended) The anastomosis device of claim 60 wherein the tubular member is pre-shaped and has at least a first bend along a length of the member.

48. (Previously Amended) The anastomosis device of claim 60 wherein a portion of the tubular member extends at an angle of between 30° and 90° relative to a longitudinal centerline.

49. (Previously Amended) The anastomosis device of claim 60 wherein said tubular member is formed from a biocompatible material.

50. (Original) The anastomosis device of claim 49 wherein said biocompatible material is bioerodable.

51. (Previously Amended) The anastomosis device of claim 49 wherein said biocompatible material comprises a polymeric material.

52. (Original) The anastomosis device of claim 51 wherein said polymeric material is selected from a group consisting of a polymer, a homopolymer, and a copolymer.

53. (Original) The anastomosis device of claim 52, wherein the polymeric material is a polycaprolactone.

54. (Previously Amended) The anastomosis device of claim 60 wherein an end portion of the graft lumen is everted over an end margin of the tubular member.

55. (Previously Amended) The anastomosis device of claim 54 wherein the tubular member has an adhesive surface and the end portion of the graft lumen is adhered to the tubular member.

56. (Original) The anastomosis device of claim 49 wherein the tubular member includes a chromophore.

57. (Original) The anastomosis device of claim 56 wherein said chromophore is a dye.

58. (Original) The anastomosis device of claim 60 wherein said tubular member is impregnated with one or more agents selected from the group consisting of anti-platelet, anti-thrombus, and anti-inflammatory compounds.

59. (Previously Amended) The anastomosis device of claim 60 wherein the tubular member is impregnated with one or more anti-proliferative compounds.

60. (Currently Amended) A fastener for sealingly joining a graft lumen to a target vessel in an anastomosis, the target vessel having an opening formed in a side wall thereof, the fastener comprising a tubular member formed of a deformable material and sized and dimensioned for receiving an end portion of said graft lumen, said tubular member being ~~transformable upon application of energy to the tubular member between a fluent state in which the tubular member is~~ radially expandable upon application of energy to the tubular member to permit radial expansion of the graft lumen to an expanded state, whereat ~~vessel, and a non-fluent state in which~~ the tubular member retains the end portion of the graft lumen in its expanded state in sealing engagement with the target vessel.

61-62. (Cancelled)

63. (Previously Amended) The fastener of claim 60 wherein the tubular member comprises a material selected from a group consisting of polyethylene-glycol (PEG) based hydrogels, acrylates, and acrylated urethanes.

64-67. (Cancelled)

68. (New) The fastener of claim 60, wherein the tubular member becomes fluent upon application of energy.

69. (New) The fastener of claim 60, wherein the tubular member becomes non-fluent upon cessation of the application of energy.

70. (New) The fastener of claim 69, wherein the tubular member is non-fluent when in its expanded state.